

3. (Amended) The polypeptide of claim 1, wherein the amino acid sequence is at least 90% identical to SEQ ID NO:1.

4. (Amended) The polypeptide of claim 1, wherein the amino acid sequence is at least 95% identical to SEQ ID NO:1.

5. (Amended) A substantially pure polypeptide comprising the sequence of SEQ ID NO:1.

6. (Amended) A substantially pure polypeptide comprising the amino acid sequence of SEQ ID NO:1, with up to 30 conservative amino acid substitutions, wherein the polypeptide is a transporter of an organic cation.

7. (Amended) A substantially pure polypeptide encoded by a nucleic acid that hybridizes to a probe the sequence of which consists of SEQ ID NO:2, under conditions of:
hybridization at 68°, followed by washing in 2 x SSC/0.1% SDS for 20 minutes at room temperature and twice in 0.1 X SSC/0.1% SDS for 20 minutes at 50°,
wherein the polypeptide is a transporter of an organic cation.

Please add new claims 29-34, as follows:

29. A substantially pure polypeptide consisting of the sequence of SEQ ID NO:1.

30. A substantially pure polypeptide comprising an amino acid sequence at least 76% identical to SEQ ID NO:1, wherein the polypeptide is a transporter of an organic cation, and wherein the polypeptide has a transporter consensus sequence.

31. A substantially pure polypeptide comprising an amino acid sequence at least 76% identical to SEQ ID NO:1, wherein the polypeptide is a transporter of an organic cation, and wherein the polypeptide has 11 to 12 transmembrane domains.

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Page : 3

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32. A substantially pure polypeptide comprising an amino acid sequence at least 76% identical to SEQ ID NO:1, wherein the polypeptide is a transporter of an organic cation, and wherein the polypeptide has a GTP/ATP binding domain.

33. A substantially pure polypeptide comprising an amino acid sequence at least 76% identical to SEQ ID NO:1, wherein the polypeptide is a transporter of an organic cation, and wherein the polypeptide has (a) 11 to 12 transmembrane domains, (b) a GTP/ATP binding domain, and (c) a transporter consensus sequence.

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34. A substantially pure human transport polypeptide comprising an amino acid sequence at least 76% identical to SEQ ID NO:1, wherein the polypeptide is a transporter of an organic cation, and wherein the polypeptide has (a) 11 to 12 transmembrane domains, (b) a GTP/ATP binding domain, and (c) a transporter consensus sequence--